20020614.ba v03_n351.bam.20020614

>From ???@??? Fri Jun 14 09:50:21 2002 -0500
Message-Id: <200206141450.g5EEntt0028153@sco.theporch.com>
Date: Fri, 14 Jun 2002 09:49:27 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3351

BOATANCHORS Digest 3351

Topics covered in this issue include:

by "Al Parker" <anchor@ec.rr.com>

Message-Id: <3.0.3.32.20020612213405.01f1ba58@pop-server.nc.rr.com>
Date: Wed, 12 Jun 2002 21:34:05 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@nc.rr.com>
Subject: Re: vanishing inductance
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 06:12 PM 6/12/02 -0700, Scott Robinson wrote:
re: cracked cores: I had a Mohawk (still do!) that had pieces of one of the slug tuned cores ((now I cant remember WHICH coil)) rolling around. Fortunately
I found all the pieces, and glued them back together in a Frankenstein looking representation of its self. Since it then wouldn't fit in the ceramic form, I lightly
sanded the outside until it slid in (these cores have a brass threaded rod that holds them into place and adjusts their depth into the coil). Upon re-alignment, the circuit peaked nicely and is running well today.

Wonder to what degree Q is affected (I certainly couldnt have measured the sharpness of the peak before/after, but....)? The cracked core is lossier?

John

>At 05:26 PM 6/12/2002 -0700, you wrote:
>>The latest bench project here was a Heathkit BR-2 AM broadcast receiver.
>>
>>
>>Out came the IF can, it's gotta be the internal capacitor. Been there, done
>>that. The open assembly mica caps looked clean and free of corrosion.
>>Hmmmm. I disconnected one end of the coil and checked the capacitor on my
>>recently acquire Tektronix 130 L-C meter (I wanted one for so long). Dead
>>nuts on 100 pF. Musta fixed it by accident, I said, disgustedly, to
>>myself. I put the can back in the receiver and voila, oh shit, still same
>>problem. Out came the can. A few more strands of gray hair on the floor.
>>Time for high level engineering. My calculator told me I need to 1.2 mH to
>>resonate at 455 KHz with 100 pF. Finally, I can get some use out of my GR
>>1650B impedance bridge. So much fun twisting and turning those dials. The
>>coil only registered .9 mH with the core adjusted for maximum inductance.
>>Bad core? Eyeball says core is perfect. Another hmmmmmmmmm (getting
>>longer now). Ohmmeter says the winding is good! Naaahh, can't be, *&^%$!
>>

>>A foray into the garage produced a replacement (thank God for organ
>>donors). Radio now hears bunches of stations although not as great as some
>>AA5's. .I blame that on the ferrite loopstick. Not as big an "aperture",
>>I guess.
>>
>>My conclusion is the transformer winding developed a one or few turn short,
>>not enough to show up on an ohmmeter. Fini, the story of vanishing
>>inductance.
>
>
>and Scott comments:
>
>Not so fast! Another possible cause of reduced L is changes in the
>ferrite-either cracks (bad for the Q as well) or swelling due to moisture
>absorption by the binding adhesive.
>
>Of course, I'm chasing mysterious loss of Q in my Halli SX-42 2nd AM if
>transformer. It tunes OK but gives symptoms of low Q. I suspect the
>ferrite slug, but so far my pleas have not yielded a replacement.
>
>Yours for inductive reasoning,
>
>/scott
>
>

Message-ID: <3D08015E.F2B1D03A@toad.net>
Date: Wed, 12 Jun 2002 22:20:14 -0400
From: RAY <w2kbr@toad.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: NC-140
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Still looking for schematic for the abv radio. Thanks
Please reply direct. Ray
--
****
Ray A. Allen, Sr., W2KBR
8303 Grainfield Rd.,
Severn, Maryland, 21144-2331
****

Date: Wed, 12 Jun 2002 20:36:17 -0700
From: Arden Allen <gumbear@pacbell.net>

Subject: Re: vanishing inductance
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GXM00AR6L21D4@mta7.pltn13.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

> Not so fast! Another possible cause of reduced L is changes in the
> ferrite-either cracks (bad for the Q as well) or swelling due to moisture

> absorption by the binding adhesive.
>
> Of course, I'm chasing mysterious loss of Q in my Halli SX-42 2nd AM if
> transformer. It tunes OK but gives symptoms of low Q. I suspect the
> ferrite slug, but so far my pleas have not yielded a replacement.

I gave the core a close eyeball with a loupe. It looked perfect. All the other coils were near peak resonance. The bad one was waaaaaay off. Moisture would have goofed them all up. But, if you suspect moisture, bake the core at about 60C for 24 hours.

Arden

Date: Wed, 12 Jun 2002 20:44:26 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: vanishing inductance
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GXM00ARAL22D4@mta7.pltn13.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

John queries:

> Wonder to what degree Q is affected (I certainly couldnt have measured
> the sharpness of the peak before/after, but....)? The cracked core
> is lossier?

The Q won't be reduced unless you use a cement that contains metal particles that would rob energy.   A cemented back togther core does not have greatly reduced inductance as long as you get the bulk of it back together. A half turn or so of the core makes up for the difference.

Arden Allen   KB6NAX   Vallejo, CA   gumbear@pacbell.net

Message-ID: <00a601c2128c$e283b900$5f5462d8@naxs.com>

From: "Barry L. Ornitz" <ornitz@tricon.net>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Arden Allen" <gumbear@pacbell.net>, "Scott Robinson" <spr@earthlink.net>
Subject: Another cause of vanishing inductance
Date: Wed, 12 Jun 2002 23:46:11 -0400
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Arden and Scott both offered some plausible explanations
for "vanishing inductance".

There is another explanation that sometimes applies to
coils with ferrite cores. This is called disaccomodation.
This is a very slow decrease in the permeability of a
ferrite. I have never seen much in the way of fundamental
explanations about why it occurs, but several manufacturers
offer data on this effect with their ferrites. Essentially
when a ferrite is first fired, its permeability is
highest. The permeability drops quickly over the next few
days and then stabilizes to a very slow rate at which the
permeability decreases. The fast drop can be explained in
terms of how the crystal structure stabilizes, but I have
not seen any real explanation for the extremely slow drop
after this.

Ferrites are ceramics and any binders used in
manufacturing burn off in the sintering process. Powdered
iron cores do use organic binders, but powdered iron cores
do not seem to show the same disaccomodation effects. But
as Scott notes, other effects can cause the loss of the
some of the core material so these cores can age too.

Of the limited data that I have seen, the change in
permeability caused by disaccomodation can be as high as a
percent a year with some materials. Most show much less
than this.

One person who knew far more about the effect than I did
was Shaun Merrigan who had been looking at aging effects in
old Collins PTO's. I have not read anything from Shaun in
several years. Does anyone know if he is still active?

        73, Barry   WA4VZQ   ornitz@tricon.net

Date: Wed, 12 Jun 2002 21:01:37 -0700

From: Arden Allen <gumbear@pacbell.net>
Subject: Re: vanishing inductance
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GXM00ASZLU2HY@mta7.pltn13.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Scott;

> > Of course, I'm chasing mysterious loss of Q in my Halli SX-42 2nd AM if

> > transformer. It tunes OK but gives symptoms of low Q. I suspect the
> > ferrite slug, but so far my pleas have not yielded a replacement.

Did you check for grid current causing the problem by replacing the tube?

Arden

Date: Thu, 13 Jun 2002 06:55:14 -0400
From: John Dilks - K2TQN <oldradio@worldnet.att.net>
Subject: Museum visit to NJARC Meeting & Dunnellen, NJ Hamfest
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <5.1.0.14.0.20020613063928.01e062e0@postoffice.worldnet.att.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

Re: K2TQN's Mobile Museum visit to NJARC Meeting & Dunnellen, NJ Hamfest

The plan it to arrive at the Sarnoff Labs in Princeton about 6 PM Friday evening. Later, I will travel to Dunellen, NJ, for the Hamfest Saturday morning.

I hope to see you there.

Links for meetings & directions
http://www.njarc.org   Friday PM
http://www.w2qw.org/ Saturday AM

73's de K2TQN, John Dilks

My Old Radio Column in QST Magazine
http://www.eht.com/oldradio/arrl/

    K2TQN's Old Radio Museum
         http://www.eht.com/oldradio/museum/

Message-ID: <20020613122812.8615.qmail@mellon.com>
From: Merz Donald S <merz.ds@mellon.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Push-Pull Oscillator
Date: Thu, 13 Jun 2002 08:27:33 -0400
MIME-Version: 1.0
Content-Type: multipart/alternative;
     boundary="----_=_NextPart_001_01C212D5.B187B470"

This message is in MIME format. Since your mail reader does not understand
this format, some or all of this message may not be legible.

------_=_NextPart_001_01C212D5.B187B470
Content-Type: text/plain;
     charset="iso-8859-1"

Yeah, well okay. But check out the following:

http://www.mines.uidaho.edu/~keng/sch/

73, Don Merz, N3RHT

-----Original Message-----
From: Arden Allen [mailto:gumbear@pacbell.net]
Sent: Wednesday, June 12, 2002 7:42 PM
To: Old Tube Radios
Subject: Re: old homebrew rigs

Hi Ken;

> Speaking of homebrew rigs, have any of you heard of an oscillator circuit

> called a,
> "Pull-Pull" oscillator????

This sounds like the type of circuit that does not reveal its true nature
by drawing a schematic diagram from the way its parts are hooked up.
Oscillators can be very confusing. The schematic of a tuned-grid,
tuned-plate oscillator is not intuitive because of the undisclosed
grid-plate feedback capacitance and the requirement to obtain the correct
phase shift for oscillation by tuning the plate or grid tank off resonance.
 You can't defeat the laws of physics. An oscillator must have in-phase

feedback and a gain of 1+. Now draw the real schematic of a "pull-pull"
oscillator and see what it looks like!

Arden Allen   KB6NAX   Vallejo, CA   gumbear@pacbell.net
****
DISCLAIMER: The information contained in this e-mail may be confidential
and is intended solely for the use of the named addressee. Access, copying
or re-use of the e-mail or any information contained therein by any other
person is not authorized. If you are not the intended recipient please
notify us immediately by returning the e-mail to the originator.

------_=_NextPart_001_01C212D5.B187B470
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* *
*   ---REMAINDER OF MESSAGE TRUNCATED---   *
*   This post contains a forbidden message format   *
* (such as an attached file, a v-card, HTML formatting) *
*   Mail Lists at theporch.com only accept PLAIN TEXT   *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* *

------_=_NextPart_001_01C212D5.B187B470--

Message-Id: <200206131815.g5DIF0tu018725@osr506.nanniandjack.com>
From: listown@nanniandjack.com (Mail List Owner)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ADMINISTRIVIA: Fancy HTML in Posts
Date: Thu, 13 Jun 2002 11:15:00 -0700 (PDT)

Gang-

Please accept this periodic posting as it is intended:
A suggestion that will help everyone on the list...

Many many of the members of the list read through text-based mailers on
systems of other than WIntel origins... this is particularly true for
those members who are "off-shore" where the technology is too expensive
to justify. Just keep in mind that NOT everyone reads the list postings
with the very latest windowed technology.

PLEASE avoid the use of HTML and "quoted printable" in your email. If
you don't know what this means, then PLEASE get help and set your mailer
up so that you send your posts to the list in "PLAIN TEXT" only, with NO
fancy HTML.... generally, avoid fancy fonts and colors, which will force

your mailer to use the fancy stuff, and creates the problem.

The problem is serious enough that we have taken steps to protect the
list... we have created a filter that detects anything sent to the list
that is not plain text, and deletes the rest of the message from the place
where the non-text is detected.

You may have seen "FOBIDDEN FORMAT" in a post to the list, and wondered
what happened... it is the phrase we insert to let the poster know that
the post contained a binary, an attachment, HTML, a "vcard" or some other
format that presents a problem to the List Processor... it enforces
consideration of your fellow BoatAnchors members.

PLEASE use only plain text.

PLEASE Get help with setting your mailer to not send the
fancy HTML and quoted printable.

PLEASE be considerate of the list resources and your fellow members.

Thanks for your attention
--
73
Jack, W4KH/Mobile - - - BoatAnchor Mailing List Owner - - -
 listown@nanniandjack.com - "Plus ca change, plus c'est la meme chose"
     "Il n'y a que les idiots qui ne changent jamais d'idee"
Thu Jun 13 11:15:00 PDT 2002

Message-Id: <3.0.3.32.20020610210520.01e31fa4@pop-server.nc.rr.com>
Date: Mon, 10 Jun 2002 21:05:20 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@nc.rr.com>
Subject: Re: Signal Shifters
Cc: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Neil
The one on Carls page is exactly the one I have. I loaded into a dummy load
and it looks like 6 or 8 watts on 160m.

Going to be fun! I've got a full coil set here somewhere, but not 160m!
Now have 10-160.

73 and hope to work you sometime with it!
John wb5oau

At 08:31 PM 5/25/02 -0500, Niel Wiegand wrote:
>John,
>
>I believe the back lighted dial was 1942 introduction see:
>http://pages.cthome.net/nord/meissner_signal_shifter_deluxe.htm , prior
>to that calibration was via a round knob mounted on the front panel.
>See: http://www.qcwa.org/w9gfqstn.htm . I've used my 1940 vintage MSS in
>several AWA OT CW contests.
>
>Turret bandswitching came out after WWII. See:
>http://oak.cats.ohiou.edu/~postr/bapix/MeissEX.html and
>http://www.eham.net/reviews/detail/759?ehamsid=edd589c624f7f730535cd4db8a2a
fe18
>
>73, Niel - W0VLZ
>http://www.io.com/~nielw/wa5vlz.htm
>
>
>>
>> Does anyone know the various flavors of the Meissner Signal Shifter
>> and the approximate age of them?
>>
>
>

Message-ID: <3D092BA4.9243B679@lobo.net>
Date: Thu, 13 Jun 2002 17:33:04 -0600
From: "Herbert M. Rosenthal" <herbrose@lobo.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Info wanted on Yaesu auto antenna tuners FC800, FC10
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does anyone have a schematic of either of these YAESU auto antenna tuners? I've just purchase an LDG AT-11MP tuner and wonder whether it's possible to homebrew an interface to use the TUNER or START buttons on my FT 840 to operate the tuner. This would involve a signal out at the 10-20 watt level and actuating the TUNE button on the tuner and then feeding back a 1 or 0 to the 840 when the lowest SWR is tuned. LDG makes an interface for the ICOM 706, but that's a different critter.

Thanks,
Herb Rosenthal W5AN
herbrose@lobo.net

Message-ID: <3D094A13.614564ED@ix.netcom.com>
Date: Thu, 13 Jun 2002 20:42:43 -0500
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WTD: TBY Power Supply
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anyone have either the vibrator set or the AC supply?

Date: Thu, 13 Jun 2002 19:14:18 -0700
From: "Dennis L. Wade" <dlwade@pacbell.net>
Subject: AR 8506-B
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <3D08EF0A.3117.4A89E1E8@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Good evening,

Some time ago, I left my name and number with the manager of a local mini-storage place. Last night, that may have paid off.

He called and said "I've got two things here. Lots of tubes" and that was it. When I got there, I found a Radiomarine AR-8506 B in dirty but apparently complete condition. Its cell mate was a Singer/Gertsch FM-9 service monitor. (Since I'm not even sure that has any tubes, I won't mention the FM-9 again. If you have any info on it, write me off list)

After carting them home for a very than reasonable price, I did a little digging. A tag on the AR set says " Arizona Standard Removed 10-19-68" Can I presume that's a merchant marine vessel? The date of manufacture is September 1944. I found the MHRS page with none other that our own Richard Dillman next to a restored rack of equipment containing another AR-8506 B. These sets apparently began life aboard either a Liberty or Victory ship. Presumably, its second life was aboard a merchant marine vessel.

Can someone give some details about the set? It runs off batteries or ships power, so if I'm to get it playing, I need the supply voltages. A diagram of some sort would ensure I put those voltages in the right place :).

I don't have, or have ever had, any VLF sets (it covers 80-550 kcs i think, its in the other room, and 1.9 to 25 mcs). As VLF sets go, how good a receiver is it?

Dennis

"If you can remain calm, you just don't have all the facts"

Dennis Wade
KG6ZI
Carmichael, CA

From: "Richard Dillman" <ddillman@igc.org>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Thu, 13 Jun 2002 21:14:45 -0700
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Re: AR 8506-B
Message-ID: <3D090B45.12197.E8DFFB@localhost>

On 13 Jun 2002, at 19:14, Dennis L. Wade wrote:

> After carting them home for a very than reasonable price, I did a
> little digging. A tag on the AR set says " Arizona Standard Removed
> 10-19-68" Can I presume that's a merchant marine vessel? The date of
> manufacture is September 1944. I found the MHRS page with none other
> that our own Richard Dillman next to a restored rack of equipment
> containing another AR-8506 B. These sets apparently began life aboard
> either a Liberty or Victory ship. Presumably, its second life was
> aboard a merchant marine vessel.
>
> Can someone give some details about the set? It runs off
> batteries or ships power, so if I'm to get it playing, I need the
> supply voltages. A diagram of some sort would ensure I put those
> voltages in the right place :).
>
> I don't have, or have ever had, any VLF sets (it covers 80-550
> kcs i think, its in the other room, and 1.9 to 25 mcs). As VLF sets
> go, how good a receiver is it?

Ahem. Your very own Richard Dillman here to say that the AR-8506-B receiver is a 10 tube superhet (1700kc IF). It covers from 85 to 550kc and 1.9 to 25Mc in 5 bands. It will run directly from 115 or 230V AC or DC. It was supplied as part of the Radiomarine 4U

radio console (the rack of equipment you mention is a 4U we restored for permanent exhibit at the San Francisco Maritime Museum.) The 4U console was installed on WWII Victory ships. The Liberty ships typically had the 3U console which is the 4U without the HF transmitter and receiver panel. Some Liberties had the HF panel installed separately.

Like the rest of the equipment in the 3U/4U consoles the AR-8506-B is designed to do the job it needs to do with no extras beyond what's required to accomplish that. For example the selectivity of AR-8506-B is broad by most standards and it has no interference fighting capabilities such as a crystal filter. But the AR-8506-B did not usually have to deal with a lot of closely spaced stations in its typical operation. In maritime service the Morse circuit is almost always duplex. The ship's operator checks the various marine bands to see where the coast station he (and occasionally she) wants to contact is the strongest. He then calls the coast station on a calling frequency in that band that is lower than the coast station's frequency. After contact the ship moves to a working frequency to pass traffic.

The point of this narrative is that the coast stations are assigned frequencies that are not used by other stations in their part of the world. Thus QRM is not usually the factor in the marine Morse service that it is in the amateur service, at least for the ship. For the coast station operator it's a different matter!

Nevertheless the AR-8506-B is quite adequate for casual use on today's amateur bands. We use it every month on the 7Mc band when we demonstrate the 4U console at the museum. It is also reasonably stable, even on the higher bands. SSB stations can be tuned in with the help of the vernier tuning knob and a judicious hand on the RF gain control.

Our particular AR-8506-B occasionally takes it into its head to make a sudden little excursion across the band (actually never more than 1kc) or decrease its gain. But this is simply an indication that we should have replaced all the condensers in the set when we restored it, not just those needed to get it to operate reasonably. We usually keep the receiver tuned to one of the remaining coast stations like the ones in Korea. These frequency excursions inevitably produce the comment, "Hey, HLO is drifiting again!"

As to IF (Intermediate Frequency, the term of the time for the 85 to 550kc range) performance we find that the AR-8506-B is not quite up to the AR-8510 regenerative receiver, which covers 15 to 650kc. and is part of the main console. The main transmitter

covers 350 to 500kc. However the AR-8506-B beats the Type D emergency receiver - which is a crystal set! But of course we are plagued by all kinds of noise and buzz at the museum location at low frequencies. If you are in a quiet location and can give it any kind of reasonable antenna you should be able to hear plenty of navigational beacons, mysterious teletype signals and maybe some Lowfer beacons.

Enjoy your find and keep us informed of your progress!

VY 73,

RD

Richard Dillman, W6AWO
Member of the Maritime Radio Historical Society
http://www.radiomarine.org
Collector of Heavy Metal:
Harleys, Willys and Radios over 100lbs.

Message-ID: <3D098BE7.99B940E2@dancris.com>
Date: Thu, 13 Jun 2002 23:23:35 -0700
From: David Hollander <n7rk@dancris.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Wanted: NC-183 Top Cover
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit

At a garage sale last weekend when asking about electronics, the guy took me to the side of his house and uncovered a piece he had under a tarp. It was a pretty dirty NC-183D. I paid him the $10 he wanted figuring this will make a good parts unit since It was complete except for the top and bottom covers. I put it on the bench tonight and after replacing the electrolytics in the power supply and replacing a couple of bad tubes, applied power. It came too life and does work on all bands and all functions work but it does need to be gone through. The front panel is OK. The side that was resting in the dirt has most of the paint gone and every time I rotate the position of the radio, I get more leaves, dirt and stones falling out! It had been on the side of his house under a tarp for about 7 years he said. Something to be said for the desert climate!

Anyone have a top cover from an NC-183D parts unit that they might sell me? Bottom cover would be nice to however it is a flat piece and I can

fabricate one.

Thanks and 73,

Dave N7RK

--
****
Dave N7RK   http://members.dancris.com/~n7rk
Phoenix, Arizona   *DXCC Honor Roll*   *WAZ#23 - 75 Meter SSB*

            ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor Collector Extraordinaire preferring Hallicrafters, National
and what ever else looks interesting!

Date: Fri, 14 Jun 2002 06:24:20 -0400
From: "Robert G. Flory" <RobandPJ@compuserve.com>
Subject: On the Bench
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <200206140624_MC3-1-213-BB9D@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
      charset=ISO-8859-1
Content-Disposition: inline

On the "bench", if you can call an old sewing table a bench.

NC-240cs for recap, replacement of open resistors, and whatever mysteries=

show themselves. Works fairly well on CW. AVC NG.

When it's done, into the rack it goes with the Millen 90800/90881 for DXi=
ng
on 20meters.

73, Rob K2WI

Message-ID: <008801c213ab$1f31fbe0$e86ddbd0@rjmattson>
From: "R.J. Mattson" <rjmattson@hvi.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WTB Time delay relay
Date: Fri, 14 Jun 2002 09:55:18 -0400
MIME-Version: 1.0
Content-Type: multipart/alternative;

```
     boundary="----=_NextPart_000_0085_01C21389.974F5040"

This is a multi-part message in MIME format.

------=_NextPart_000_0085_01C21389.974F5040
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hello,
Would anyone have a time delay relay they can part with or trade?
I need something around 15 minutes (Adjustable OK) and SPDT for a HV =
supply.
Regards,
Bob Mattson...W2AMI   WN2AMI 1962
Highland NY

------=_NextPart_000_0085_01C21389.974F5040
Content-Type: text/plain; charset=us-ascii
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*         ---REMAINDER OF MESSAGE TRUNCATED---              *
*     This post contains a forbidden message format         *
*  (such as an attached file, a v-card, HTML formatting)    *
*    Mail Lists at theporch.com only accept PLAIN TEXT      *
* If your postings display this message your mail program   *
* is not set to send PLAIN TEXT ONLY and needs adjusting    *
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------=_NextPart_000_0085_01C21389.974F5040--

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Message-ID: <035601c213b2$f721a940$6501a8c0@w8ut>
From: "Al Parker" <anchor@ec.rr.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: FS: 2 HQ-170's
Date: Fri, 14 Jun 2002 10:51:28 -0400
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi folks,
    I have 2 HQ-170's for sale, both have been completely refurbished, and
work well.  Hammarlund's original ad for the 170 said, "for single sideband
at its very best."  The HC-10 SB convertor has the same IF as the 170, so
it's good.  The 170 is ham-band only, 160-6 meters, triple conversion on 40
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& higher, double on 160 & 80.

HQ-170   nr 268, finished 3/22/02   price $375 plus shipping
    Cabinet stripped & repainted, panel stripped, painted, silk-screened. Electrical work done as req'd (not much), added fil. xfmr to keep 1st conv. osc. filament on all the time, similar to the "A" model. Full alignment. This unit has the original 12 hr clock, and lighted, translucent scale, yellow, meter. This is a very clean receiver, as can be seen at the following link.
    Probably more pix than you care to see may be found at:
<http://www.thecompendium.net/radio/HQ1701.html>

HQ-170   nr 104, finished 5/23/02   price $300 plus shipping
Cabinet stripped & repainted, panel stripped, painted, silk-screened. Electrical work done as req'd (not much), added fil. xfmr to keep 1st conv. osc. filament on all the time, and SS rectifier, similar to the "A" model. Full alignment. This unit has a "quartz" digiclock, and a white faced meter from a different HQ model, that's not back-lit. There are 3 added jacks on the rear skirt, RCA for 6m ant., BNC for HF ant., RCA for IF out. There are 4 small holes in the cabinet top, which have been filled with very small flathead phillips screws, painted to match, almost indiscernible in the pix, and a very slight dimple near them. (A prev. owner had mounted a speaker in the cabinet.)
    again, more pix may be found at:
<http://www.thecompendium.net/radio/HQ1702.html>
(note the 2 links are different, but each is accessible from the other.)

A digital manual is included, with some pertinent other info, on a 3-1/2" floppy disk.
If any questions, please email directly.
73,
Al, W8UT
New Bern, NC
BoatAnchors appreciated here
http://www.thecompendium.net/radio/
http://www.hammarlund.info

End of BOATANCHORS Digest 3351
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